| Inde | x of | Claims | ; |
|------|------|--------|---|
|      |      |        |   |

Application/Control No.

10/813,339

Examiner

Date

Constantine Hannaher

Applicant(s)/Patent under Reexamination

SATO ET AL.

**Art Unit** 

2884

| √ | Rejected |
|---|----------|
| = | Allowed  |

- (Through numeral)
Cancelled

Restricted

Claim

Non-Elected

I Interference

A Appeal
O Objected

|                      |                |          |              | -  |  |  |              | .1       |  | _        |
|----------------------|----------------|----------|--------------|--|--|--|--------------|----------|--|----------|
| Cla                  | aim            |          |              |  |  | Date   | •            |          |  |          |
| Final                | Original       | 1/26/06  | 5/16/06      |  |  |  |              | ,        |  |          |
| 1                    | (1)<br>2<br>3  | 1        | =            |  |  |  |              | _        | _  |          |
| 2                    | 2              | 1        | =            |  |  |  |              |          |  |          |
| 7                    | 3              | 1        | =            |  |  |  |              |          |  |          |
| 8                    | 4              | 1        | =            |  |  |  |              |          |  |          |
| 17                   | <u>4</u><br>5  | 1        | =            |  |  | -  |              |          |  |          |
| 18                   | 6              | 1        | =            |  |  |  |              |          |  |          |
| 19<br>20<br>3        | 7              | 1        | =            |  |  |  |              |          |  |          |
| 20                   | 8              | 1        | =            |  |  |  |              |          |  |          |
| 3                    | 9              | 1        | =            |  |  |  |              |          |  |          |
| 4                    | 10             | 1        | ļ,           |  |  |  |              |          |  |          |
| 5                    | 11             | 1        | =            |  |  |  |              |          |  |          |
| 6                    | 12<br>13       | 1        | =            |  |  |  |              |          |  |          |
| 13                   | 13             | V        | <u>  =</u>   | Ш  |  |  |              |          |  |          |
| 13<br>14<br>15<br>16 | 14<br>15<br>16 | 1        | =            |  |  |  |              |          |  |          |
| 15                   | 15             | 1        | =            | $oxed{oxed}$                                     |  |  | L            |          | Щ  |          |
| 16                   | 16             | 1        | =            | <u> </u>   |  | L  | $oxed{oxed}$ |          | Щ  |          |
| 9                    | 17             | 1        | =            | _  | $\Box$   |  | L.           |          |  |          |
| 10                   | 18<br>19       | 1        | =            |  |  |  |              |          |  |          |
| 11                   | 19             | V        | =            | Ŀ  |  |  |              |          |  |          |
| 12                   | 20             | 1        | =            |  |  |  |              |          |  | _        |
|                      | 21<br>22       |          |              |  |  |  |              |          |  |          |
|                      | 22             | <u>_</u> |              | <u> </u>   |  |  | Ľ            |          |  |          |
|                      | 23             |          | <u> </u>     | _  |  |  |              |          |  |          |
| <u> </u>             | 24             | <u> </u> | _            |  |  | L  |              |          |  | <u> </u> |
| <u> </u>             | 25             |          | _            | <u> </u>   |  | _  |              |          |  | _        |
| <u> </u>             | 26<br>27       | _        |              | <u> </u>   |  | <u> </u>   |              |          | L  |          |
|                      | 27             | -        |              | -  | L  |  |              |          |  | _        |
| <u> </u>             | 28             | -        | H            | $\vdash$   |  |  |              |          | <u> </u>   | _        |
| <u> </u>             | 29<br>30       | <u> </u> | ├-           | -  | <u> </u>   |  |              |          | $\vdash$   |          |
|                      | 30             | $\vdash$ |              | -  |  |  | <del> </del> |          | $\vdash$   | _        |
|                      | 31<br>32       | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$   | <del> </del>                                     | $\vdash$     | -        |  | -        |
|                      | 33             | 1        | $\vdash$     | $\vdash$   | $\vdash$   | <u> </u>   | -            | -        | -  | -        |
| <b>—</b>             | 34             | $\vdash$ | $\vdash$     | $\vdash$   | F  |  | -            |          | <del>                                     </del> | H        |
| -                    | 35             | -        | ├─           | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ |
|                      | 36             | $\vdash$ | <del> </del> | $\vdash$   | $\vdash$   |  |              |          |  | $\vdash$ |
|                      | 37             | 1        |              | <del>                                     </del> | $\vdash$   |  |              |          |  | Н        |
| <u> </u>             | 38             | T        |              | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> |              | $\vdash$ |  |          |
|                      | 39             | T        | _            | T  |  | <del>                                     </del> |              | _        |  |          |
|                      | 40             | t        | T            | <del>                                     </del> | <b></b>  | <b>-</b>   | i            | $\vdash$ |  |          |
|                      | 41             | ١.       |              |  |  | · ·  |              |          |  | Г        |
|                      | 42             | Ė        | Г            | Γ  | $\vdash$   | $\vdash$   | Γ            |          | Г  | _        |
|                      | 43             |          |              |  |  |  |              |          |  | -        |
| -                    | 44             |          |              | Π  |  |  |              |          |  |          |
|                      | 45             |          |              |  |  |  |              |          |  |          |
|                      | 46             |          |              |  |  |  |              |          |  |          |
|                      | 47             |          | L            |  |  |  |              |          |  |          |
|                      | 48             |          |              |  |  |  |              |          |  |          |
|                      | 49             |          |              | L  |  |  |              |          |  |          |
|                      | 50             |          |              |  |  |  | Π            |          |  |          |

| Claim  |                      | Ь,       |              |              |          | Jac      | <del>-</del>                                     |              |          | _  |
|--|----------------------|----------|--------------|--------------|----------|----------|--|--------------|----------|--|
| Final  | Original             |          |              |              |          |          |  |              |          |  |
|  | 51                   | П        |              |              |          |          |  |              |          |  |
| _  | 51<br>52<br>53       |          |              | $\neg$       | $\vdash$ |          | _  |              |          |  |
| <b>—</b>   | 53                   | $\vdash$ |              | _            |          | $\neg$   | -  |              |          | -  |
|  | 53                   | $\vdash$ |              | _            | Н        | $\dashv$ |  | _            | _        | -  |
|  | 54<br>55             | Ш        |              |              |          |          | -  |              |          |  |
|  | 55                   | Ш        | _            |              |          |          |  |              |          |  |
|  | 56                   |          |              |              |          |          |  |              |          |  |
|  | 57                   |          |              |              |          |          |  |              |          |  |
|  | 58                   |          |              |              |          |          |  |              |          |  |
|  | 59                   |          |              |              |          |          |  |              |          |  |
|  | 60                   |          |              |              |          |          |  |              |          |  |
| _  | 61                   | -        |              | -            |          |          |  |              |          | j  |
|  | 62                   | $\vdash$ |              |              |          |          | $\vdash$   |              |          |  |
|  | 62<br>63             | $\vdash$ |              |              |          |          | $\vdash$   |              |          |  |
|  | 64                   | Н        |              |              |          |          | $\vdash$   | _            |          | _  |
|  | 64                   | Н        | H            |              |          |          | -  | _            | _        |  |
|  | 65<br>66             | Н        | -            |              |          |          | -  | _            |          | _  |
|  | 66                   | Н        | _            |              |          |          |  |              |          |  |
|  | 67                   | L        |              |              | -        |          | _  |              |          |  |
|  | 68<br>69             | $\vdash$ | _            |              | _        |          | _  |              |          |  |
| <u> </u>   | 69                   | $\vdash$ |              |              |          |          |  |              |          |  |
|  | 70<br>71             | H        |              |              | _        | _        | _  |              | _        | _  |
|  | 72                   | H        |              |              |          |          | -  |              | _        | _  |
| -  | 72                   | -        | H            |              |          |          |  |              |          |  |
|  | 74                   |          |              | -            | $\vdash$ |          | -  |              | -        |  |
|  | 73<br>74<br>75       | Н        |              |              | $\vdash$ |          | $\vdash$   | _            | -        | _  |
|  | 76                   |          |              |              |          |          |  |              |          |  |
|  | 77                   | $\vdash$ |              |              |          |          |  |              |          |  |
|  | 78                   |          |              |              |          |          | _  |              | _        |  |
|  | 76<br>77<br>78<br>79 |          |              |              |          |          |  |              |          |  |
|  | 80                   |          |              |              |          |          |  |              |          |  |
|  | 81<br>82             |          |              |              |          |          |  |              |          |  |
|  | 82                   |          |              |              |          |          |  |              |          |  |
|  | 83                   |          |              |              |          |          |  |              |          |  |
|  | 84                   |          |              |              |          |          |  |              |          |  |
|  | 85                   |          |              |              |          |          |  |              |          |  |
|  | 86                   |          |              |              |          |          |  |              |          |  |
|  | 87                   |          |              |              |          |          |  |              |          |  |
|  | 88                   |          |              |              |          |          |  |              |          | _  |
|  | 89                   |          |              |              | _        |          | _  |              | _        |  |
|  | 90                   |          |              |              | _        |          |  | _            | <u> </u> | ļ  |
|  | 91                   |          | $\vdash$     |              | <u> </u> | ļ        | <u> </u>   |              | <u> </u> | <u> </u>   |
|  | 92                   |          |              | _            | -        | _        | ├  | <u> </u>     | <u> </u> | <u> </u>   |
| <u> </u>   | 93                   | H        | $\vdash$     | <u> </u>     | <u> </u> | <u> </u> | -  | <u> </u>     | <u> </u> | -  |
|  | 94<br>95             |          | <del> </del> | <u> </u>     | <u> </u> | -        | $\vdash$   | ├            | $\vdash$ |  |
|  | 96                   | $\vdash$ | <del> </del> | -            | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$ | ├  |
| <del> </del>                                     | 97                   | -        |              | —            |          | -        | -  | <u> </u>     | $\vdash$ | -  |
| <del>                                     </del> | 98                   | $\vdash$ | -            | <del> </del> | $\vdash$ | -        | <del>                                     </del> | <del> </del> | $\vdash$ | <del>                                     </del> |
|  | 99                   | ┢        | -            | $\vdash$     | ┢        | -        | -  | $\vdash$     | $\vdash$ | $\vdash$   |
|  | 33                   | —        | <u> </u>     | $\vdash$     | <b>—</b> | ├—       | <b>├</b> —                                       | ├            | <u> </u> | ⊢  |

100

| Cl          | aim  |              |              |              |          | Date   | ====     |  | -  |                |
|-------------|--|--------------|--------------|--------------|----------|--|----------|--|--|----------------|
|             |  |              |              |              |          |  |          |  |  |                |
| Final       | Original   |              |              |              |          |  |          |  |  |                |
|             | 101  |              |              | $\vdash$     |          |  |          |  |  |                |
|             | 101<br>102<br>103<br>104<br>105<br>106               |              |              |              |          |  |          |  |  |                |
|             | 103  |              |              |              |          |  |          |  |  |                |
|             | 104  |              |              |              |          |  |          |  |  |                |
|             | 105  |              |              |              |          |  |          |  |  |                |
|             | 106  |              |              | _            |          |  |          |  |  |                |
|             | 107  |              |              | <u> </u>     |          | _  | ļ        | _  |  | _              |
|             | 107<br>108<br>109                                    |              | <u> </u>     | -            | $\vdash$ | -  | <u> </u> |  |  |                |
|             | 110  |              | <u> </u>     |              |          | -  | -        |  |  | -              |
|             | 111  |              |              |              | $\vdash$ |  | -        |  | Н  |                |
|             | 112  | -            | _            | -            | ┝        |  | -        |  |  | -              |
|             | 113  | $\vdash$     |              | $\vdash$     | _        | _  | Ι-       | -  |  |                |
|             | 111<br>112<br>113<br>114<br>115<br>116               | $\vdash$     |              | $\vdash$     |          | H  |          |  | $\vdash$   |                |
|             | 115  |              |              |              | Г        | Г  |          |  | П  |                |
|             | 116  |              |              |              |          |  |          |  |  |                |
|             | 117  |              |              |              |          |  |          |  |  |                |
|             | 118<br>119   |              |              |              |          |  |          |  |  |                |
|             | 119  |              |              |              | _        | L  |          | <u> </u>   |  |                |
|             | 120  | <u> </u>     | L_           | ļ            | <u>_</u> | ļ  | ļ        | _  |  |                |
|             | 121  | <u> </u>     |              | <u> </u>     | <u> </u> | L_   | ļ        | <u> </u>   |  |                |
|             | 122  | <u> </u>     |              | -            | <u> </u> | ļ  | <u> </u> | <u> </u>   | _  | <u> </u>       |
|             | 123  | -            | _            |              | ⊢        | ├  |          | -  |  | <u> </u>       |
|             | 120<br>121<br>122<br>123<br>124<br>125               | $\vdash$     | -            |              | ├        | ├—   | ├        | -  | $\vdash$   |                |
| -           | 126  | H            | -            | ┢            | $\vdash$ |  | $\vdash$ | ┝  |  | -              |
|             | 127  | ·            | ┢            | H            | $\vdash$ |  | $\vdash$ | <del>                                     </del> | _  |                |
|             | 128  | -            |              | t            | $\vdash$ | _  |          | $\vdash$   | -  |                |
|             | 129  |              |              |              |          |  |          |  | _  | _              |
|             | 126<br>127<br>128<br>129<br>130<br>131<br>132<br>133 |              |              |              |          |  |          |  |  | Г              |
|             | 131  |              |              |              |          |  |          |  |  |                |
|             | 132  |              |              |              |          |  | _        |  |  |                |
|             | 133  | L.           |              | L            | _        |  |          |  | L_   |                |
|             | 134<br>135   | <u> </u>     | _            | _            | _        | <u> </u>   | ļ        | <u> </u>   | <u> </u>   |                |
|             | 135  | <del> </del> | <del> </del> | _            | 1        | ├_   |          | <del>  -  </del>                                 | <del>                                     </del> |                |
| <u> </u>    | 136  | <u> </u>     | -            | $\vdash$     | Ė        | <del> </del>                                     | -        | <del>  -</del>                                   | -  | ├—             |
| <del></del> | 137<br>138   | H            | -            | $\vdash$     | ⊢        | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$       |
|             | 139  | $\vdash$     | -            | <del> </del> | $\vdash$ | $\vdash$   | $\vdash$ |  | $\vdash$   | <del>  -</del> |
| <b></b> -   | 140  | $\vdash$     | -            | -            | <u> </u> | $\vdash$   |          | $\vdash$   | $\vdash$   | $\vdash$       |
|             | 141  | _            | ┢            | H            |          | <del>                                     </del> | i –      |  | <u> </u>   | Ι-             |
|             | 142  | 1            | $\vdash$     | ı            |          | <del>                                     </del> | t        | $\vdash$   | T  | İΤ             |
|             | 143  | T            | Г            |              |          |  |          |  |  |                |
|             | 144  |              |              |              |          | L  |          |  |  |                |
|             | 145  |              |              |              |          |  |          |  |  |                |
|             | 146  |              |              |              |          |  |          |  |  |                |
|             | 147  | _            |              |              |          | $oxed{oxed}$                                     |          |  | <u> </u>   | L              |
|             | 148  | <u> </u>     | <u> </u>     | Ь            | L_       | <u>L</u>   | <u> </u> | ļ  | L_   | L.             |
| <u> </u>    | 149  | <u> </u>     | <u> </u>     | ــ           | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   | L_   | <b> </b>       |
| L           | 150  |              |              | <u></u>      | <u> </u> | L_   | <u></u>  | <u></u>  | L_   | L              |